

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): An armature of a linear motor comprising:

a modular-type armature which is divided into a plurality of armature blocks and around which an armature winding is coiled, a plurality of the armature blocks being formed by sequentially coupling a plurality of block cores, and

connectors to be used for electrically connecting lead wires of armature windings coiled around the armature blocks provided on both ends of a plurality of the armature blocks so that connections of the respective armature blocks and connections of the armature windings become serial or parallel, wherein

the connectors provided between the armature blocks are connected in a form of in-phase connections.

2. (original): The armature of a linear motor according to claim 1, wherein

when the number of the armature windings is three and a magnetic pole pitch of a magnetic field is taken as τ_p , the armature blocks are separated from each other at intervals corresponding to an electrical angle of an integral multiple determined by dividing the magnetic pole pitch by the number of sub-divisions of the armature blocks.

3. (original): The armature of a linear motor according to claim 2, wherein
the armature blocks are separated from each other at intervals of $\frac{2}{3}$ the magnetic pole
pitch.

4. (original): The armature of a linear motor according to claim 2, wherein
the armature blocks are separated from each other at intervals of $\frac{4}{3}$ the magnetic pole
pitch.

5. (original): The armature of a linear motor according to any one of claims 1 through 4,
further comprising:

an armature mount plate which is arranged in the direction of thrust of the linear motor
and provides a retaining function provided on each of the armature blocks, and

an engagement projection provided at one end of each armature mount plate, wherein
an engagement groove is formed in the other end of the same to couple together the
armature blocks.

6. (currently amended): A linear motor comprising:
an armature of the linear motor defined in ~~any one of claims~~ claim 1 through 5, and
a magnetic field disposed so as to oppose the armature by way of a gap, wherein
the magnetic field is generated by a yoke, and a plurality of permanent magnets disposed
on the yoke such that different polarities are arranged alternately, and

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either the armature or the magnetic field is taken as a movable element which moves, and
the other is taken as a stator.